

ABSTRACT

**[0049]** A monolithic wireless receiver suitable for use in a global positioning system (GPS) or other radio frequency (RF) application suitably includes a mixed-mode integrated circuit and a stacked memory device. The mixed mode integrated circuit appropriately includes a digital portion and an analog portion on a common die. The analog portion implements an RF receiver circuit, and the digital portion includes a signal processor that communicates with the RF receiver. The memory device appropriately communicates with the integrated circuit to store electronic instructions and data for the signal processor. The monolithic receiver may be conveniently integrated into a portable electronics device such as a camera, personal digital assistant (PDA), portable phone or the like to provide location sensing or other RF functionality.